

CLAIMS

1. A paper feeding roller which contains, on its outer periphery, a thermoplastic elastomer mixture comprising (1) an olefin-based thermoplastic elastomer comprising (a) polyethylene or polypropylene for reducing plastic deformation and (b) an ethylene-propylene copolymer or an ethylene-propylene-diene copolymer for sufficient elasticity; and (2) a styrene-based thermoplastic elastomer comprising (c) polystyrene for reducing plastic deformation, and (d) polybutadiene, polyisoprene or polyolefin for sufficient elasticity,

characterized in that the olefin-based thermoplastic elastomer (1) contains 10 to 50 parts by weight of (a) and 50 to 90 parts by weight of (b), and the total of (a) plus (b) is 100 parts by weight of the olefin-based elastomer; and the styrene-based thermoplastic elastomer (2) contains 10 to 50 parts by weight of (c) and 50 to 90 parts by weight of (d), and the total of (c) plus (d) is 100 parts by weight of the olefin-based elastomer; wherein the thermoplastic elastomer mixture, comprising the olefin-based thermoplastic elastomer and the styrene-based thermoplastic elastomer, has a Type A Durometer hardness of A30 to A50.

2. The paper feeding roller according to claim 1, wherein 20 to 80 parts by weight of the olefin-based thermoplastic elastomer and 80 to 20 parts by weight of the styrene-based thermoplastic elastomer are contained in the elastomer mixture, and a total amount of both thermoplastic elastomers is 100 parts by weight of the elastomer mixture.